

03-30-05

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PTO/SB/21 (01-05)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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|   |                      |                        |                      |
|---|----------------------|------------------------|----------------------|
| <b>TRANSMITTAL FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number   | 10/772,653             |                      |
|   | Filing Date          | February 05, 2004      |                      |
|   | First Named Inventor | Mohammed Rahman et a   |                      |
|   | Art Unit             | 2817                   |                      |
|   | Examiner Name        | Ham, Seungsook         |                      |
| Total Number of Pages in This Submission  | 10                   | Attorney Docket Number | JSF01-0009/WJT08-060 |

| ENCLOSURES (Check all that apply)  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form                     | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance Communication to Group                            |
| <input checked="" type="checkbox"/> Fee Attached                             | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences        |
| <input type="checkbox"/> Amendment/Reply                                     | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information   |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter   |
| <input checked="" type="checkbox"/> Extension of Time Request                | <input type="checkbox"/> Change of Correspondence Address                 | <input type="checkbox"/> Other Enclosure(s) (please Identify below):                       |
| <input type="checkbox"/> Express Abandonment Request                         | <input type="checkbox"/> Terminal Disclaimer                              |  |
| <input checked="" type="checkbox"/> Information Disclosure Statement         | <input type="checkbox"/> Request for Refund                               |  |
| <input type="checkbox"/> Certified Copy of Priority Document(s)              | <input type="checkbox"/> CD, Number of CD(s) _____                        |  |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application    | <b>Remarks</b><br>Supplemental IDS with PCT search report.                |  |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |   |  |

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

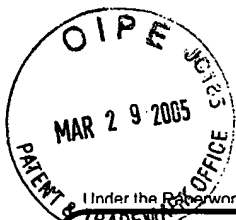
|                    |               |
|--------------------|---------------|
| Firm or Individual | James S. Finn |
| Signature          |               |
| Date               | 3/29/2005     |

## CERTIFICATE OF TRANSMISSION/MAILING

|   |               |                |
|---|---------------|----------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: <u>3-29-05</u> |               |                |
| Typed or printed  | James S. Finn |                |
| Signature   |               | Date 3-29-2005 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, Washington, DC 20231.**

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PTO/SB/17 (12-04v2)

Approved for use through 07/31/2006. OMB 0651-0032

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

**Complete if Known**

|                      |                       |
|----------------------|-----------------------|
| Application Number   | 10/772,653            |
| Filing Date          | February 05, 2004     |
| First Named Inventor | Mohammed Rahman et al |
| Examiner Name        | Seungsook Ham         |
| Art Unit             | 2817                  |
| Attorney Docket No.  | JSF01-0009/WJT08-0060 |

**METHOD OF PAYMENT** (check all that apply)☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☐ Deposit Account Deposit Account Number: \_\_\_\_\_ Deposit Account Name: \_\_\_\_\_

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below☐ Charge fee(s) indicated below, **except for the filing fee**☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17☐ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| Application Type | FILING FEES |                       | SEARCH FEES |                       | EXAMINATION FEES |                       | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
|                  | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)         | Small Entity Fee (\$) |                |
| Utility          | 300         | 150                   | 500         | 250                   | 200              | 100                   |                |
| Design           | 200         | 100                   | 100         | 50                    | 130              | 65                    |                |
| Plant            | 200         | 100                   | 300         | 150                   | 160              | 80                    |                |
| Reissue          | 300         | 150                   | 500         | 250                   | 600              | 300                   |                |
| Provisional      | 200         | 100                   | 0           | 0                     | 0                | 0                     |                |

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

| Fee (\$) | Small Entity Fee (\$) |
|----------|-----------------------|
| 50       | 25                    |

Each independent claim over 3 (including Reissues)

|     |     |
|-----|-----|
| 200 | 100 |
|-----|-----|

Multiple dependent claims

|     |     |
|-----|-----|
| 360 | 180 |
|-----|-----|

| Total Claims | Extra Claims | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|----------|---------------|
|--------------|--------------|----------|---------------|

- 20 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of total claims paid for, if greater than 20.

| Indep. Claims | Extra Claims | Fee (\$) | Fee Paid (\$) |
|---------------|--------------|----------|---------------|
|---------------|--------------|----------|---------------|

- 3 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|--|----------|---------------|
|--------------|--------------|--|----------|---------------|

- 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Fees Paid (\$)

Other (e.g., late filing surcharge): Supplement IDS

180.00

**SUBMITTED BY**

Signature

Registration No. 38,450  
(Attorney/Agent)

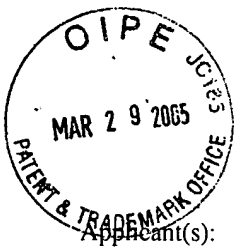
Telephone 202-607-4607

Name (Print/Type) James S. Finn

Date 03-29-2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Mohammed Mahbubur Rahman et al. )  
Serial No.: 10/772,653 ) Group No. 2817  
Filed: February 05, 2004 ) Examiner: Ham, Seungsook  
For: **ELECTRONICALLY TUNABLE COMB-RING TYPE RF FILTER**

To the Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the  
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on 03/29/2005

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Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

Herewith are Form PTO-1449 and one copy of each document listed thereon. Attention is also directed to any item(s) designated below:

☒ 1. A credit card payment form is enclosed to cover the fee set forth in 37 CFR 1.17(p). Any additional fee required by this paper may be charged to Deposit Account No. 502697.

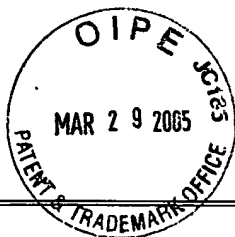
☐ 2. The undersigned certifies that each enclosed document was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the Information Disclosure Statement.

☐ 3. The relevance of any enclosed non-English language document(s) is concisely explained as follows.

Respectfully submitted,

James S. Firth  
Reg. No. 38,450

14431 Goliad Dr., Box #8  
Malakoff, TX 75148  
202-607-4607  
Customer No. 38,450



|   |   |                                      |
|---|---|--------------------------------------|
| <p><b>Form PTO-1449 Modified</b></p> <p><b>List of Patents and Publications<br/>Cited by Applicant</b><br/>(Use several sheets if necessary)</p> <p><b>U.S. Patent Department of Commerce<br/>Patent and Trademark Office</b></p> | <p><b>Docket No.:</b> JSF01-0009/WJT08-0060</p> | <p><b>Serial No.:</b> 10/772,653</p> |
| <p><b>Applicant:</b> Mohammed Mahbubur Rahman et al.</p>  |   |                                      |
| <p><b>Filing Date:</b> Feb. 05, 2004</p>  |   | <p><b>Group:</b> 2817</p>            |

**U.S. PATENT DOCUMENTS**

| Examiner Initial |  | Document No.       | Date         | Name              | Class | Subclass |
|------------------|--|--------------------|--------------|-------------------|-------|----------|
|                  |  | 6,597,259          | 22 July 2003 | Peters            | 333   | 134      |
|                  |  | US 2002/0158719 A1 | 31 Oct 2002  | Liang et al.      | 333   | 204      |
|                  |  | 5,416,454          | 16 May 1995  | McVeety           | 333   | 205      |
|                  |  | US2003/0132820     | 17 July 2003 | Shamsaifar et al. | 333   | 205      |
|                  |  | 4,701,727          | 20 Oct 1987  | Wong              | 333   | 202      |
|                  |  | US 2002/0118081    | 29 Aug 2002  | Liang et al.      | 333   | 204      |
|                  |  | 4,121,182          | 17 Oct 1978  | Makimoto et al.   | 333   | 73       |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initial |     | Document No. | Publication Date | Country | Translation |    |
|------------------|-----|--------------|------------------|---------|-------------|----|
|                  |     |              |                  |         | Yes         | No |
|                  |     |              |                  |         |             |    |
|                  |     |              |                  |         |             |    |
|                  | B-3 |              |                  |         |             |    |

**OTHER DOCUMENTS**

| Examiner Initials |     | Author, Title, Date, Pertinent Pages, Etc.   |
|-------------------|-----|--|
|                   | C-1 | PCT International Search Report for International Application No. PCT/US04/03520 dated 23 December 2004. |
|                   | C-2 |  |
|                   | C-3 |  |
|                   | C-4 |  |